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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/771,075	02/03/2004	Hong-Jyh Li	2003 P 54557 US		
48154 7.	590 03/11/2005		EXAMINER		
SLATER & MATSIL LLP			MUNSON, GENE M		
17950 PRESTON ROAD SUITE 1000			ART UNIT	PAPER NUMBER	
DALLAS, TX 75252			2811		
			DATE MAILED: 03/11/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application Name    Application   Applicatio		Application No.	Applicant(s)	41.	
Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE	Office Action Summary	Examiner G, A	1UNSON	Group Art Unit	
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ### MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SX (6) MONTHS from the mailing date of this communication.  - If the period for righty specified above, such period shall, by default, expire SX (6) MONTHS from the mailing date of this communication.  - If the period for righty specified above, such period shall, by default, expire SX (6) MONTHS from the mailing date of this communication.  - Failure to reply ordin in the categories of the provision of the mailing date of this communication.  - Ally reply readed by the office of the time months after the mailing date of this communication, even if timely, may reduce any samed patient time adjustment. See 37 CFR 1.704(s).  - Status  - This action is FINAL.  - Shace this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 1 1; 453 O.G. 213.  - Disposition of Claims  - Claim(s)	-The MAILING DATE of this communication appear		•		ess—
OF THIS COMMUNICATION.  Statistics or time may be evaluable under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the malling date of this communication.  If NO period for reply is appointed above, such period shall by default, expire SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is appointed above, such period shall by default, expire SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is appointed above, such period shall by default, expire SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is appointed above, such period shall by default, expire SIX (6) MONTHS from the mailing date of this communication. Palluro to reply will by statute, cause the application to become ABANDONED (S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely, may reduce any samed patent term adjustment. See 37 CFR 1.704(b).  Status  If Responsive to communication(s) filed on					
from the mailing date of this communication.  If the period for reply specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.  Failure to reply within the set or stended period for reply will, by statute, cause the application to become ABANDONED (36 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely, may reduce any earned patent term adjustment. See 37 CFR 1704(b).  Status  Responsive to communication(s) filed on   February 2005  This action is FINAL.  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 1 1; 453 O.G. 213.  Disposition of Claims  Claim(s)   Claim(s)   Claim(s)   Claim(s)   Claim(s)   Claim(s)   Claim(s)   Any rejected.  Sclaim(s)   Any rejected.  Sclaim(s)   Claim(s)   Any rejected to by the Examiner.  The proposed drawing correction, filed on   is/are objected to.  Is/are objected to.  Sclaim(s)   Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)–(d).  Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)–(d).  Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)–(d).  Certified copies of the priority documents have been received.  Certified copies of the priority documents have been received in Application No.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))  **Certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))  **Certified copies of the priority documents have been received in Application Populary.  Information Disclosure Statement(s), PTO–1449, Paper No(s).  Solution of Informal Patent Application, PTO–11  Notice of Informal Patent	A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO THIS COMMUNICATION.	O EXPIRE	CEE MONTH(	S) FROM THE MAILI	NG DATE
Responsive to communication(s) filed on	from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a  If NO period for reply is specified above, such period shall, by defau  Failure to reply within the set or extended period for reply will, by st  Any reply received by the Office later than three months after the m	reply within the statutory alt, expire SIX (6) MONTH atute, cause the applicat	minimum of thirty ( S from the mailing of ion to become ABA	30) days will be consider date of this communicati NDONED (35 U.S.C. § 13	ed timely. on. 13).
This action is FINAL.   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.    Disposition of Claims					
This action is FINAL.   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.    Disposition of Claims   is/are pending in the application. Of the above claim(s)   12 - 3 €   is/are withdrawn from consideration. Of the above claim(s)   1/2 - 3 €   is/are withdrawn from consideration. Is/are withdrawn from consideration. Is/are allowed. Is/are allowed. Is/are allowed. Is/are allowed. Is/are objected to.   Is/are objected to a are subject to restriction or election requirement   The proposed drawing correction, filed on	☑ Responsive to communication(s) filed on 3 Febre	raary 200.3			
Disposition of Claims    Claim(s)		/			
Scalam(s)				to the merits is clos	sed in
Stairn(s)   12-36   is/are withdrawn from consideration.   claim(s)   is/are allowed.   is/are allowed.   is/are allowed.   is/are rejected.   is/are rejected.   is/are objected to.   is/are objected to.   claim(s)   are subject to restriction or election requirement   The proposed drawing correction, filed on   is/are objected to by the Examiner   The drawing(s) filed on   is/are objected to by the Examiner.   The oath or declaration is objected to by the Examiner.   The oath or declaration is objected to by the Examiner.   The oath or declaration is objected to by the Examiner.   Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).   All   Some*   None of the:   Certified copies of the priority documents have been received.   Certified copies of the priority documents have been received in Application No.   Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))  *Certified copies not received:   Attachment(s)   2/03/04   Information Disclosure Statement(s), PTO-1449, Paper No(s). 3/23/04   Interview Summary, PTO-413   Notice of Draftsperson's Patent Drawing Review, PTO-948   Other	Disposition of Claims				
Claim(s)					
Claim(s)	Of the above claim(s) 12-36		is/are	withdrawn from cons	deration.
Claim(s)					
Claim(s)	Claim(s) 1-6, 8-11		is/are	rejected.	
Application Papers  The proposed drawing correction, filed on	☑ Claim(s)		is/are	objected to.	
The proposed drawing correction, filed on	□ Claim(s)				election
The drawing(s) filed on			•		
The specification is objected to by the Examiner.  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. § 119 (a)-(d)  Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).  All □ Some* □ None of the:  □ Certified copies of the priority documents have been received.  □ Corpies of the certified copies of the priority documents have been received in Application No.  □ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))  *Certified copies not received:  Attachment(s)  Attachment(s)  Notice of Reference(s) Cited, PTO-892  □ Notice of Informal Patent Application, PTO-1948  □ Other				rea.	
The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. § 119 (a)-(d)  Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).  All □ Some* □ None of the:  □ Certified copies of the priority documents have been received.  □ Certified copies of the priority documents have been received in Application No.  □ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))  *Certified copies not received:  Attachment(s)  Altachment(s)  Interview Summary, PTO-413  Notice of Reference(s) Cited, PTO-892  □ Notice of Informal Patent Application, PTO-1.  Notice of Draftsperson's Patent Drawing Review, PTO-948	·	cted to by the Exami	ner		
Priority under 35 U.S.C. § 119 (a)-(d)  Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).  All   Some*   None of the:  Certified copies of the priority documents have been received.  Certified copies of the priority documents have been received in Application No.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))  *Certified copies not received:  Attachment(s)  Information Disclosure Statement(s), PTO-1449, Paper No(s). 3/29/0-4  Notice of Reference(s) Cited, PTO-892  Notice of Draftsperson's Patent Drawing Review, PTO-948		•			
<ul> <li>Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)–(d).</li> <li>□ All □ Some* □ None of the:</li> <li>□ Certified copies of the priority documents have been received.</li> <li>□ Copies of the certified copies of the priority documents have been received in Application No. □</li> <li>□ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))</li> <li>*Certified copies not received: □</li> <li>Attachment(s)</li> <li>2/∘3/∘4</li> <li>☑ Interview Summary, PTO–413</li> <li>☑ Notice of Reference(s) Cited, PTO–892</li> <li>□ Notice of Informal Patent Application, PTO–11</li> <li>□ Notice of Draftsperson's Patent Drawing Review, PTO–948</li> <li>□ Other □</li> </ul>	☐ The oath or declaration is objected to by the Examiner.				
□ All □ Some* □ None of the: □ Certified copies of the priority documents have been received. □ Certified copies of the priority documents have been received in Application No. □ □ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))  *Certified copies not received: □ .  Attachment(s) 2/03/04/ ☑ Information Disclosure Statement(s), PTO-1449, Paper No(s). 3/29/04/□ Interview Summary, PTO-413 ☑ Notice of Reference(s) Cited, PTO-892 □ Notice of Informal Patent Application, PTO-1	Priority under 35 U.S.C. § 119 (a)-(d)				
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□ Certified copies of the priority documents have been received in Application No. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	☐ All ☐ Some* ☐ None of the:				
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<ul> <li>☑ Information Disclosure Statement(s), PTO-1449, Paper No(s). 3/29/0 ☐ Interview Summary, PTO-413</li> <li>☑ Notice of Reference(s) Cited, PTO-892</li> <li>☐ Notice of Draftsperson's Patent Drawing Review, PTO-948</li> <li>☐ Other</li></ul>	*Certified copies not received:	•			- ·
<ul> <li>Notice of Reference(s) Cited, PTO–892</li> <li>□ Notice of Informal Patent Application, PTO–1</li> <li>□ Other</li> </ul>					
□ Notice of Draftsperson's Patent Drawing Review, PTO-948 □ Other □	☑ Information Disclosure Statement(s), PTO-1449, Paper N	lo(s). <u>3/29/04</u>	☐ Interview Sum	mary, PTO-413	
	☑ Notice of Reference(s) Cited, PTO-892		□ Notice of Info	rmal Patent Application	on, PTO-152
Office Action Summary	☐ Notice of Draftsperson's Patent Drawing Review, PTO-9	48	□ Other	· · · · · · · · · · · · · · · · · · ·	
	Office A	Action Summary			

Claims 12-36 are withdrawn from consideration as being for a non-elected invention, the election having been made *without* traverse in the response, filed 3 February 2005.

Applicants are requested to cancel the non-elected claims as part of a complete response to this office action. Note that cancellation of the non-elected claims would not preclude the later filing of a divisional application on the non-elected invention (35 U.S.C. 120, 121).

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6 and 8-10 are rejected under U.S.C. 102 as unpatentable as shown by Ohuchi. See Figures 2-A, 17 with nitrogen in the semiconductor substrate as the "doped" region and included in the "gate dielectric" film.

Claim 11 is rejected under 35 U.S.C. 103 as unpatentable over Ohuchi, as in the above rejection, further considered with Cheng et al. Silicon-on-insulator (S0I) is conventional for a

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substrate as applicant would agree and as shown by Cheng et al (column 2), which would have been obvious to use to achieve a substrate with isolation.

Claim 7 is objected to as dependent upon rejected claims but would be allowable over the art of record if put in completed form as an independent claim, including all limitations of claims 1, 6, 7.

Munson/ds (571) 272-1659

3/05/05

GENE M. MUNSON EXAMINER Page 3

**GROUP ART UNIT 283**